

Super-hydrophobic Surfaces to Condensed Micro-droplets at Temperatures below the Freezing Point Retard IceFrost FormationMin

Min He¹, Jianjun Wang^{1*}, Huiling Li¹, Yanlin Song^{1,2*}

1 Beijing National Laboratory For Molecular Sciences (BNLMS), Laboratory of New Materials, Institute of Chemistry, Chinese Academy of Sciences, Beijing 100190, P. R. China.

2 Key Laboratory of Organic Solids, Institute of Chemistry, Chinese Academy of Sciences, Beijing 100190, P. R. China.

Corresponding E-mail: wangj220@iccas.ac.cn; ylsong@iccas.ac.cn



Fig. S1 profiles of a macro-droplet (3 μ l) on the hydrophobic cover glass at the room temperature (the left one) and condensed droplets on the hydrophobic cover glass at the surface temperature of -5 $^{\circ}$ C (the middle one) and -10 $^{\circ}$ C (the right one), the water CA is showed on the top-right.